

Claims

1. A method for clamping a knife (1) of a disc chipper, wherein the knife is pressed from the knife disc (4) via knife clamp (2', 23) against a wear plate (3) in a diagonal position ( $\alpha$ ) with respect to the plane of the knife disc with a compressive force (N) substantially parallel with the axis of the knife disc, characterized in, that a compensating force of the force directed to the knife clamp, caused by the diagonal position ( $\alpha$ ) of the knife and transversal to the compressive force (N), is exerted to the wear plate.
2. A method in accordance with claim 1, characterized in, that the compensating force of the transversal force is exerted to the wear plate (3) in parallel direction with the knife (1), facing the wear plate with respect to the plane between the knife and the wear plate, whereby the compensating force brings about a moment that turns the knife clamp and increasing of the compressive force (P<sub>4</sub>) on the region (8) of the knife point.
3. A clamping arrangement for a knife of a disc chipper comprising a knife disc (4), a wear plate (3), a knife (1), compressing means (5) and a knife clamp (2' or 23), wherein a lateral force (P<sub>3</sub>) is generated, said force deviating by angle ( $\alpha$ ) from the perpendicular direction to the compressive force (N), characterized in that there is a bracket (16) in the knife clamp (2' or 23), the surface (17) of which receives the generated force (P<sub>3</sub>) by supporting itself against a surface (18) of the groove (20) of the wear plate (3).
4. A knife clamp (23) for the clamping arrangement of claim 3, characterized in, that the upper surface (21) of the bracket (16') is supported to the bottom surface (26) of the groove (20') of the wear plate (3).
- 25 5. A knife clamp in accordance with claim 4, characterized in, that the knife clamp (23) comprises a projection (22) guiding the knife (24) from a groove (25).